

## INFORMATION REPORT INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

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COUNTRY East Germany

REPORT

SUBJECT VEB Chemische Werke Buna, Schkopau:  
Products and Industries Using the  
Products

DATE DISTR.

17 MAR 1958

NO. PAGES

4

REFERENCES

DATE OF  
INFO.PLACE &  
DATE ACQ.

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General

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1. During the past few years<sup>1</sup> the entire plant of VEB Chemische Werke Buna, Schkopau, has been altered in such a way that, in the flow of production, the individual producing sections are mutually interdependent. This makes it ever more difficult to put newly-developed products into production. A system of pipelines was installed in the plant to be used in conveying the products of one section on to the next one, etc.
2. However, since the alteration of the factory took place one of the biggest difficulties in the way of a normal flow of production has been the lack of an assured supply of raw materials and of sufficient reserves of raw materials. Furthermore, the rate of replacement of parts for machinery which was obtained from the West is unsatisfactory and this causes difficulties.

Products Being Developed as of July 1957

3. As of July 1957 the following products were being developed at VEB Chemische Werke Buna, Schkopau:
  - a. Buna S 4 T: a plastic synthetic rubber with high impulse resistance. Its principal application will be in the manufacture of tires, cable, hose and conveyor belts.
  - b. Epoxy resin: a solvent-free adhesive which hardens with the addition of hardeners and under the influence of heat without any loss of substance.
  - c. Varnish raw material (Lackrohstoff) PVJ (?): a varnish binding agent which is suitable for rust protection and other special-purpose varnish uses. This product can be combined with various other varnish raw materials.

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- d. Polyvinyl alcohol Schkopau 80: a polyvinyl alcohol of an especially high degree of polymerization; especially suitable for the optical industry.
- e. PVC-SP Schkopau: a suspension of polymeride which is practically nonwater-absorbing and of great value for the electrical industry, especially for the manufacture of high-grade cable and transparent foils.
- f. Vinalit SP 80: a Perlon polymeride (Perlpolymerisat) of vinyl acetate with a high K value. It differs from Vinalit SP 60 in having a higher fusing temperature.
- g. Polyester: a casting resin (Gussharz) for the manufacture even of large parts without using presses and with small tool cost. In combination with glass and other fibers, very high mechanical characteristics are achieved.
- h. Polyethylene: the well-known injection die-casting material (Spritzgussmaterial) with capabilities for universal processing and application: for example, flexible foils, cable, rust protection and numerous products for use in daily life.
4. The following is a list of the products of VEB Chemische Werke Buna, Schkopau, arranged according to types of products:
- a. Synthetic rubber:
- |                        |                |
|------------------------|----------------|
| Buna S 3 Band          | Buna SO 40     |
| Buna S 3 Krümel (lump) | Buna 85        |
| Buna SS 3 Band         | Buna N Band    |
| Buna SS 3 Krümel       | Buna N Krümel  |
| Buna S 4               | Buna NN Band   |
| Buna S 4 L             | Buna NN Krümel |
| Buna S 4 T             | Buna NW        |
- b. Plastics:
- |                         |   |
|-------------------------|---|
| PVC Schkopau, type F    | PVC-SP Schkopau   |
| PVC Schkopau, type GN   | Polyacrilnitril   |
| PVC Schkopau, type G    | Polyamid AH Schkopau                                    |
| PVC Schkopau, type J/F  | Polystyrol BW, transparent                              |
| PVC Schkopau, type J/G  | Polystyrol EF   |
| PVC Schkopau, type J/GN | Polystyrol EFS  |
| PVC Schkopau, type K    | Polyvinyl alcohol Schkopau                              |
| PVC Schkopau, type P    | Plastic lead seal substance<br>(Kunststoffplombenmasse) |
| PVC Schkopau, type R    | Injection die-casting substance<br>(Spritzgussmasse) K  |
- c. Buna and Plastic Latices:
- Acrylit DA, approximately 40%
- Acrylit DAS, approximately 40%
- Bunalatex S 3 special, approximately 35%
- Bunalatex S 3 35%
- Bunalatex SS special, approximately 50%
- Vinalit D 50
- Vinalit DC 39/20
- Vinalit DC 44/11
- Vinitex, approximately 50%

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d. Additives:

Stabilizer L  
Thickener AN

e. Adhesive Resins and Varnish Binding Agents:

Acrylit L	Phthalopal BU
Chlorbuna M	Rubresin B
Pervinan 100 %	Vinalit SP 60
Pervinan, approximately 80%, in toluol	Vinalit LE, 40/60%
Vinalit LE 60/40%	Vinalit MPS

f. Solvents:

Acetone, chemically pure	Dioxane
Ethyl acetate 98/100 %	Isopropanol
Ethyl acetate, approximately 75%	Solvent B 17
Ethylene chloride, distilled	Methyl acetate
Ethyl glycol	Perchlorethylene
Butanol	Reintuol
Butyl acetate 85%	Trichlorethylene
Butyl butyrate	

g. Softeners for Plastic Substances and Plasticizers for Rubber Mixtures:

Palatinol AH	Plasticizer FON
Palatinol C	Plasticizer RA
Plasticizer 32	

h. Synthetic Oils:

Transmission oil	Motor oil 50 Mot. 12
Refrigerator oil	Motor oil 50 Mot. 15
Motor oil 50 Mot. T	
Motor oil 50 Mot. 10	

i. Products for Treating and Finishing Textiles:

Appretex AW	Diazopal O
Appretex A	Diazopal O, concentrated
Appretex W	Emulsifier MF, soluble in oil
Appretex c	Fluval L, highly concentrated
Bunalatex SS special, approximately 50%	Lychromal A
Bunalatex S 3, approximately 35%	Lychromal D
Bunalatex S 3 special, approxi- mately 35%	Nekal BX, dry
	Peral O, highly concentrated
Peral O	Seral NT
Polyvinyl alcohol Schkopau	Seral FK
Sapal L, concentrated	Seral M Paste
Sapal W	Seral S
Sapal W, highly concentrated	Stabilizer L
	Thickener AN

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j. Glycerin-Substitute Products (for technical purposes)

Glycol	Hexantriol, technical
Diglycol	Triglycol

k. Miscellaneous:

Recovered sulfuric acid	Erkalen- Neu, in solution
Acetoacetic ester	Acetic acid, chemically pure,
Ethyl benzol	approximately 80%
Aluminum chloride, anhydrous,	Acetic acid, chemically pure,
containing iron and technically	approximately 98/100%
free of iron	Acetic acid, technically pure,
Ethylene chlorhydrine, 98/100%	approximately 98/100%
Caustic soda lye, approximately 45%	Acetic acid anhydride
Construction lime (carbide lime	Formaldehyde, 30 Gew.% (sic)
hydrate)	Glysanitin
Brake fluid, blue	Kalunit, liquid, N
Ethyl chloride, technically pure	Industrial lime (carbide lime hydrate)
Ethyl chloride DAB VI	Chloracetic acid
Methyl chloride	Phthalopal G
Dispersal P	Phthalic acid anhydride, pure, in
Dispersal EP	flakes
Dispersal WS	Pure benzol
Lime powder (carbide lime hydrate)	Sintering lime
Triethanolamin, distilled	Oxide wax (Oxydwachs) AN
Triethanolamin, technical	

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